December 1, 2003

Hazardous, Toxic and Radioactive Waste
Center of Expertise

Ms. Donna J. McCarthy
STL Chicago
2417 Bond Street
University Park, IL 60466-3182

Dear Ms. McCarthy**:**

This correspondence addresses the recent evaluation of STL Chicago of University Park, IL by the U.S. Army Corps of Engineers (USACE) for chemical analysis in support of the USACE Hazardous, Toxic and Radioactive Waste Program.

Your laboratory is now validated for the parameters listed below:

METHOD[1]	PARAMETER	MATRIX[1]
300.0	Anions[6]	Water[3]
300.0	Anions[6]	Solids[4]
9010B/9014	Cyanide	Water[3]
9010B/9014	Cyanide	Solids[3]
8330	Explosives	Water[4]
8330	Explosives	Solids[3]
8151A	Herbicides	Water[3]
8151A	Herbicides	Solids[3]
7196A	Hexavalent Chromium	Water[3]
3060A/7196A	Hexavalent Chromium	Solids[3]
1664A	Oil & Grease	Water[3]
9071B	Oil & Grease	Solids[4]
3510C/3520C/8081A	Organochlorine Pesticides	Water[3]
3541/3550B/8081A	Organochlorine Pesticides	Solids[3]
9065/9066	Phenolics	Water[3]
9065/9066	Phenolics	Solids[4]
3510C/3520C/8082	Polychlorinated Biphenyls	Water[3]

3541/3550B/8082	Polychlorinated Biphenyls	Solids[3]
3510C/3520C/8310	Polynuclear Aromatic Hydrocarbons	Water[3]
3541/3550B/8310	Polynuclear Aromatic Hydrocarbons	Solids[3]
3510C/3520C/8270C	Semivolatile Organics	Water[3]
3541/3550B/8270C	Semivolatile Organics	Solids[3]
3510C/3520C/8270C SIM	Semivolatile Organics and Polychlorinated Naphthalenes	Water[7]
3541/3550B/8270C SIM	Semivolatile Organics and Polychlorinated Naphthalenes	Solids[7]
3005A/3010A/6010B/ 3020A/7000A Series	TAL Metals[5]	Water[3]
3050B/6010B/7000A Series	TAL Metals[5]	Solids[3]
9060	Total Organic Carbon	Water[3]
9060M	Total Organic Carbon	Solids[4]
3510C/3520C/Mod 8015B	TPH - DRO	Water[3]
3541/3550B/Mod 8015B	TPH - DRO	Solids[3]
5030B/5035/Mod 8015B	TPH - GRO	Water[3]
5035/Mod 8015B	TPH - GRO	Solids[3]
5030B/5035/8260B	Volatile Organics	Water[3]
5035/8260B	Volatile Organics	Solids[3]

Remarks:

1) Sample preparation methods have been added to reflect program policy change.

2) "Solids" includes soils, sediments, and solid waste.

3) The laboratory has successfully analyzed a Proficiency Testing (PT) sample for this method/matrix.

4) Approval is based on review of SOPs, performance data, and PT results of other matrices.

5) TAL Metals: Aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, thallium, vanadium, and zinc.

6) Anions: Chloride, fluoride, sulfate, nitrate, nitrite, and ortho-phosphate.

7) Approval for polychlorinated naphthalene is based on review of SOPs and performance data only.

Enclosed for your information is a copy of the Laboratory Inspection and Evaluation Report. Please see the enclosed Laboratory Inspection and Evaluation Report for unresolved action items.

Based on the successful analysis of the National Environmental Laboratory Accreditation Conference Proficiency Testing samples for the appropriate fields of testing, the results of the laboratory inspection, and your Corrective Action Report, your laboratory will be validated for sample analysis by the methods listed above. The evaluation, which was conducted for your facility, is based substantially on ISO Guide 25 (General Requirements for the Competence of Testing Laboratories) and USACE Engineering Manual (EM) 200-1-3, Appendix I (Shell for Analytical Chemistry Requirements). The period of validation is 24 months and expires on December 1, 2005.

The USACE reserves the right to conduct additional laboratory inspections or to suspend validation status for any or all of the listed parameters if deemed necessary. It should be noted that your laboratory may not subcontract USACE analytical work to any other laboratory location without the approval of this office. This laboratory validation does not guarantee the delivery of any analytical samples from a USACE Contracting Officer Representative.

Any questions or comments can be directed to Chung-Rei Mao at (402) 697-2570. General questions regarding laboratory validation may be directed to the Laboratory Validation Coordinator at (402) 697-2574.

Sincerely,

Marcia C. Davies, Ph.D.
Director, USACE Hazardous,
Toxic and Radioactive Waste
Center of Expertise

Enclosure